

Title (en)

Roller bearing, method of producing it and cover attached to the roller bearing.

Title (de)

Wälzlager, Verfahren zu dessen Herstellung sowie Wälzlagerdeckel.

Title (fr)

Roulement, méthode pour sa fabrication et le couvercle associé.

Publication

EP 1693676 A3 20061206 (EN)

Application

EP 06003430 A 20060220

Priority

- JP 2005043850 A 20050221
- JP 2005097313 A 20050330
- JP 2005097252 A 20050330

Abstract (en)

[origin: EP1693676A2] A roller bearing apparatus provided with a roller bearing having an outer ring with a cylindrical opening that opens at one end and a cover fitted in the opening against the inner periphery thereof to close it. The cover is provided with an inscribing surface that inscribes the inner periphery of the opening and a stepped surface that protrudes radially outward from the inscribing surface to abut the axial end face of the opening. The axial end face of the opening is provided with a beveled part on the inner rim. An annular space formed by the beveled part, inscribing surface, and stepped surface is filled with sealant.

IPC 8 full level

G01P 3/44 (2006.01); **F16C 33/72** (2006.01); **G01P 1/00** (2006.01); **G01P 1/02** (2006.01)

CPC (source: EP US)

B60B 27/0005 (2013.01 - EP US); **B60B 27/0068** (2013.01 - EP US); **B60B 27/0073** (2013.01 - EP US); **B60B 27/0084** (2013.01 - EP US); **B60B 27/0094** (2013.01 - EP US); **F16C 19/186** (2013.01 - EP US); **F16C 33/723** (2013.01 - EP US); **F16C 41/007** (2013.01 - EP US); **G01P 1/00** (2013.01 - EP US); **G01P 1/026** (2013.01 - EP US); **G01P 3/443** (2013.01 - EP US); **F16C 33/783** (2013.01 - EP US); **F16C 2326/02** (2013.01 - EP US)

Citation (search report)

- [X] US 6218827 B1 20010417 - OHMI HAYATO [JP], et al
- [X] US 6127819 A 20001003 - OUCHI HIDEO [JP]
- [AD] PATENT ABSTRACTS OF JAPAN vol. 2002, no. 03 3 April 2002 (2002-04-03)
- [DX] PATENT ABSTRACTS OF JAPAN vol. 2003, no. 05 12 May 2003 (2003-05-12)

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CN104776122A; DE102014206764A1; CN104245354A; EP2995471A1; EP2020310A3; EP2112002A3; DE102014208422A1; DE102014208422B4; FR3001538A1; CN111422002A; US9505267B2; US8210750B2; US9956821B2; WO2013174555A1; EP1739295B1

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Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1693676 A2 20060823; **EP 1693676 A3 20061206**; **EP 1693676 B1 20130501**; CA 2536190 A1 20060821; EP 2251699 A2 20101117; EP 2251699 A3 20110112; EP 2251699 B1 20160504; US 2006228062 A1 20061012; US 7556435 B2 20090707

DOCDB simple family (application)

EP 06003430 A 20060220; CA 2536190 A 20060213; EP 10174787 A 20060220; US 35424406 A 20060215